

A. O. Norton, Boston, Mass., U. S. A., and Coaticook, P. Q., Canada.

REPORT OF GOVERNMENT TESTS OF NORTON BALL-BEARING JACKS.

Report of Tests of 20-ton, Style A, Ball-Bearing Jack.

(COPY.)

ORDNANCE DEPARTMENT, U. S. A.

Report of Mechanical Tests made with the U. S. Testing Machine, capacity 800,000 pounds, at Watertown Arsenal, Mass., April 30, 1891, for A. O. Norton, Boston, Mass.

Lifting Jacks manufactured by A. O. Norton. No. 7283 Ball-Bearing Railroad 26in. Jack, **Style A**, 50,400 pounds were raised by operating the lever. The Jack was then removed from the testing machine, examined and found in good working condition. Returned to the testing machine and loaded, increasing the pressure with the machine to 240,000 pounds total. Nut disabled. Ball-bearing in good working condition.

(Signed) A. L. VARNEY,

Correct. (Signed) J. E. HOWARD.

Capt. Ordnance Dept. U. S. A., Commanding.

Report of Test of Cone-Bearing 15-ton Jack, Style G.

Lifting Jacks manufactured by A. O. Norton. No. 7286, Carpenters' and Builders' Jack, **Style G**, 31,800 pounds raised with the lever; 50,000 pounds load applied with the testing machine. Jack in good working condition after test.

(Signed) A. L. VARNEY,

Correct. (Signed) J. E. HOWARD.

Capt. Ordnance Dept., U. S. A., Commanding.